

Applicant : Tony Cruz et al.  
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Amendments to the Claims:

Please cancel Claims 7-9 and 15-33, without prejudice or disclaimer.

Please amend Claims 1, 2, 5, 10 and 12-14.

The listing of the claims which follows will replace all prior versions, and listings, of claims in this application.

Listing of Claims:

We Claim

1. (Currently amended) ~~Polypeptide~~A recombinantly produced or isolated polypeptide comprising ~~an~~ consisting essentially of the amino acid sequence selected from the group consisting of P16 (SEQ ID NO: 26), P32 (SEQ ID NO: 81), murine S3 (SEQ ID NO: 73), human S3 (SEQ ID NO: 74), murine S7 (SEQ ID NO: 75), human S7 (SEQ ID NO: 76), murine V2 (SEQ ID NO: 77) and human V2 (SEQ ID NO: 78).
2. (Currently amended) A pharmaceutical composition for the treatment of an inflammatory neurological disorder comprising the polypeptide of claim 1 ~~an amino acid sequence selected from the group consisting of P16 (SEQ ID NO: 26), P32 (SEQ ID NO: 81), murine S3 (SEQ ID NO: 73), human S3 (SEQ ID NO: 74), murine S7 (SEQ ID NO: 75), human S7 (SEQ ID NO: 76), murine V2 (SEQ ID NO: 77), and human V2 (SEQ ID NO: 78).~~
3. (original) A pharmaceutical composition according to claim 2 wherein the inflammatory neurological disorder is multiple sclerosis.
4. (original) A pharmaceutical composition according to claim 2 wherein the inflammatory neurological disorder is Parkinson's disease.
5. (currently amended) A pharmaceutical composition for the treatment of diabetes mellitus comprising the polypeptide of claim 1 ~~an amino acid sequence selected from the group consisting of P16 (SEQ ID NO: 26), P32 (SEQ ID NO: 81), murine S3 (SEQ ID NO: 73), human~~

~~S3 (SEQ ID NO: 74), murine S7 (SEQ ID NO: 75), human S7 (SEQ ID NO: 76), murine V2 (SEQ ID NO: 77), and human V2 (SEQ ID NO: 78).~~

6. (original) A pharmaceutical composition according to claim 2 wherein the inflammatory neurological disorder is Alzheimer's disease.

Claims 7-9 (canceled)

10. (currently amended) A vaccine composition for the treatment of an inflammatory neurological disorder comprising ~~an antigen for the antibody of claim 7~~ the polypeptide of claim 1.

11. (original) A vaccine composition according to claim 10 wherein the inflammatory neurological disorder is multiple sclerosis.

12. (currently amended) A vaccine composition according to claim ~~11~~10 wherein the inflammatory neurological disorder is Parkinson's disease.

13. (currently amended) A vaccine composition according to claim ~~12~~10 wherein the inflammatory neurological disorder is Alzheimer's disease.

14. (currently amended) A vaccine composition for the treatment of diabetes mellitus comprising ~~an antigen for the antibody of claim 7~~ the polypeptide of claim 1.

Claims 15-33 (cancelled)